HW#112: Solutions on a Graph

Geometry

Due: Friday, April 15th

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

Failure to show all all work and complete all problems will result in a LaSalle

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nancy and Anthony met for dinner in the loop. Nancy did flat-rate valet parking for $15. Anthony went to another valet and paid $5 up front and $5 for every hour, including the first hour.   |  |  | | --- | --- | | Hours | Amount Paid | | 0 |  | | 1 |  | | 2 |  | | 3 |  | | 4 |  | | 5 |  |  1. Create an input/output table for Nancy and Anthony.  Nancy Anthony  |  |  | | --- | --- | | Hours | Amount Paid | | 0 |  | | 1 |  | | 2 |  | | 3 |  | | 4 |  | | 5 |  |  1. Plot the points you found in the table above and create one line for the amount Nancy’s paid, and one line for the amount Anthony’s paid.  ../../../../../Desktop/Screen%20Shot%202016-04-10%20at%207.57.29%20PM c) Ultimately, the friends ended up paying the same amount. How long did they stay? Provide reasoning that ties in your evidence above, use at least 3 of the 5 words from the list provided below.  |  | | --- | | Solution | | Equation | | Intersect | | System | | Graphical | |

Part II – REVIEW Quiz tomorrow!

|  |  |
| --- | --- |
| ../../../../../Downloads/domainpic.jpgTo the left is a graph of the function *f(x)*. Identify the domain and range of the function.  Domain of *f(x)* =    Range of *f(x)* = | Yailene claims that y2 = x is not a function. Do you agree or disagree with Yailene, why or why not? |
| Marshall is on a cross-country cycling tour. Marshall travels 35 miles from his house to the starting point of the tour and maintains the same speed throughout the tour. The table below shows the total distance that Marshal travels, including the distance from home:   |  |  | | --- | --- | | Time (hrs) | Distance traveled (mi) | | 1 | 52 | | 3 | 76 | | 4 | 88 | | 6 | 112 |  1. Explain what the entry (4,88) means. 2. What is the domain of the function? What is the range? 3. What is the rule to describe the table? | |
| ../../../../../Desktop/Screen%20Shot%202016-04-10%20at%208.31.37%20PMWhich function shown in the graph is linear? Quadratic? Exponential? Classify each function and explain. | |